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Instructions for Interim Emergency Response Electronic Data Deliverable

October 10, 2007

Data Element #	Data Element Name	Definition	Comment	Format
1	LabName	Descriptive name for the laboratory performing this analysis		
2	ClientSampleID	A client-defined identifier for a sample	This should be reported exactly as it is seen on the chain of custody form	Alphanumeric
3	LabSampleID	A laboratory-defined identifier for a sample that uniquely identifies a single sample that is subjected to an analysis		Alphanumeric
4	LocationID	Identifier for the sampling location at a site	This information may be present on the chain of custody.	
5	CollectedDate	Date (and time, if required) the sample was collected. If collected over a range of dates, this is the start date.		The following format is recommended: MM/DD/YYYY HH:mm:SS
6	CollectedEndDate	If the sample was collected over a range of dates (and times, if required), the end of the collection period.	This field would not need to be populated for grab samples.	
7	MatrixID	A more specific description of the sample matrix or media		These are listed in the SEDD 5.1 Valid Value List, Appendix B, located at: http://www.epa.gov/superfund/programs/clp/seddspec51.htm
8	MethodID	The published reference code for the method used by the laboratory to analyze the sample		These are listed in the SEDD 5.1 Valid Value List, Appendix B, located at: http://www.epa.gov/superfund/programs/clp/seddspec51.htm. List will be updated periodically to include SAM and other appropriate methods
9	LabMethodID	A laboratory-defined code for the method used by the laboratory to analyze the sample		
10	PreparedDate	Date and time of sample preparation. Preparation is used generally to include method specific techniques such as extraction, digestion, and separation. If prepared over a range of dates, this is the start date.	Enables users to determine holding time based on when samples were prepared as well as when samples were analyzed.	The following format is recommended: MM/DD/YYYY HH:mm:SS
11	AnalyzedDate	The date (and time, if required) of analysis of an aliquot. If analyzed over a range of dates, this is the start date.		The following format is recommended: MM/DD/YYYY HH:mm:SS
12	CASRegistryNumber	The Chemical Abstract Service number for the analyte		Alphanumeric/text
13	AnalyteName	The published reference name for the analyte		Recommend using the EPA Registry Name from EPA's Substance Registry System located at: http://iaspub.epa.gov/srs
Data Element #	**Data Element Name**	**Definition**	**Comment**	**Format**
14	LabAnalyteID	A laboratory-defined identifier for an analyte		

Instructions for Interim Emergency Response Electronic Data Deliverable

October 10, 2007

15	Result	Reportable final result for the analyte	This field is almost always numerical, unless the analysis is qualitative (i.e., detect/nondetect)	
16	ResultUnits	Units for Result	Units for Result and Uncertainty should always be the same	ASTM E380-93, Page 203 - Standard Practice for Use of the International System of Units (SI) (the Modernized Metric System). These are listed in the SEDD 5.1 Valid Value List, Appendix B, located at http://www.epa.gov/superfund/programs/clp/seddspec51.htm
17	LabQualifier	A laboratory-assigned string of result qualifiers (usually a single character for each qualifier), based on client or laboratory-defined rules and values		In order to stay consistent from one deliverable to another, the only qualifiers that will be used are "U", "J", and "UJ". "U" indicates that the analyte was analyzed for but not detected. "J" indicates an estimated value. The "J" qualifier is used when a QC parameter indicates that the reported quantity could be inaccurate, or when the data indicates the presence of an analyte that meets the identification criteria but the result is less than the sample quantitation limit but greater than zero. The "UJ" qualifier indicates that the analyte was analyzed for but not detected, and a QC parameter indicates that the reporting limit could be inaccurate.
18	Result Uncertainty	Calculated Uncertainty associated with the Result	For Radiochemical Analysis only at this time. Ensure that Uncertainty is expressed in same Result Unit as the Result	Numeric
19	Uncertainty Coverage Factor	Numerical factor by which the combined standard uncertainty is multiplied to obtain the reported uncertainty	Radiochemical Analysis Element -- typically between 2 and 3, but may be 1 if the CSU itself is reported	Numeric
20	ResultBasis	The basis upon which the final results were calculated		Dry' or 'Wet' for samples with a solid matrix, and 'Total' or 'Dissolved' for samples with an aqueous matrix.
21	ReportingLimit	Reporting limit for the analyte being measured. Reporting limits are defined in terms of a number below which data is reported as not detected.		
22	ReportingLimitUnits	Units for ReportingLimit.	Should be the same as ResultUnits	Use the same format as the ResultUnits
23	ReportingLimitType	One of a list of client-defined acronyms that specify the type of reporting limit.		Specifies the type of reporting limit for the analysis, i.e. MDL, PQL, CRQL, MDC, MDA
24	AnalyteType	A client-defined identifier that identifies the type of analyte reported		This field is used to distinguish spiked analytes from sample results (e.g., Target, Spike, TIC, Surrogate , or Internal_Standard)
25	ExpectedResult	The expected final result of an analyte that has been spiked into an aliquot at any time during the analysis process or the true value of an analyte in the sample analyzed.	Enables user to calculate recoveries for surrogates, spikes, PEs and duplicates etc.	
26	ExpectedResultUnits	Units associated with expected result.		

Instructions for Interim Emergency Response Electronic Data Deliverable *October 10, 2007*				
27	QCType	The client-defined term used to define the specific type of QC sample being analyzed	Currently the SEDD valid value list (SEDD 5.1 Valid Value List, Appendix B, located at: http://www.epa.gov/superfund/programs/clp/seddspec51.htm) contains some, but not all, of the EPA Office of Water QC sample types.	This field describes the QC sample used to generate results the lab inserts into the EDD (e.g., Laboratory_Fortified_Blank). It should be populated with the QC sample types listed in the SEDD valid value list (Appendix B).
28	Comment	A free-form comment field.		The comment field can not contain any commas or semi-colons in case the electronic deliverable is converted into a comma delimited or semi-colon delimited file.

Lab Name	Client SampleID	Lab SampleID	Location ID	Collected Date	Collected EndDate	Matrix ID	Method ID	Lab MethodID	Prepated Date	Analyzed Date	CAS Registry Number	Analyte Name	Lab AnalyteID	Result	Result Units	Lab Qualifier	Result Uncertainty	Uncertainty Coverage Factor	Result Basis

Reporting Limit	Reporting Limit Units	Reporting Limit Type	Analyte Type	Expected Results	Expected Results Units	QC Type	Comment